Name of the Work: Package No.14 A) CONSTRUCTION OF CLASSROOMS AND PROVIDING BASIC AMENITIES TO YELAHANKA GOVT FIRST GRADE COLLEGE IN YELAHANKA DIVISION B) CONSTRUCTION OF HEALTH BUILDING AT B SECTOR IN WARD NO.04 IN YELAHANAKA SATELITE TOWN SUB DIVISION C) CONSTRUCTION OF SAMUDHAYA BHAVANA AT BEST COUNTY -III AND PROVIDING GYM EQIPMENTS AT BEST COUNTY -II IN WARD NO.03 YELAHANKA SUB DIVISION.

Sanctioned Estimate Amount: Rs. 8,00,00,000.00 **Name of the Contractor: Sri. H V Onkarappa**

Sanctioned Tender Amount: Rs. 6,66,38,535.00

Operative Tender Premium 1.00% Above

Sl. No.	Description of Item	Unit	Sanctioned Estimate			As per Tender (BOQ)			Executed as per actuals	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of	Cum	1313.00	489.77	643068.42	1313.00	489.77	643068.42	2166.53	1641.25	489.77	803835.53	525.27	489.77	257261.91	1061097.44	418029.01	
2	Providing and Filling in foundation with granite / trap broken metal 100mm. a nd down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications and directions of the Engineer in charge.(Page no-	Cum	72.83	2649.55	192977.56	72.83	2649.55	192977.56	222.71	91.04	2649.55	241221.95	131.66	2649.55	348851.11	590073.06	397095.50	
6	KSRB 2.3 - Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications and as per the directions of the Engineer-in-charge of the work. --- All terms and conditions are as per	Cum	691.81	219.25	151680.84	691.81	219.25	151680.84	1116.94	864.77	219.25	189601.05	252.18	219.25	55289.71	244890.76	93209.92	
7	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge	Cum	411.59	67.76	27889.99	411.59	67.76	27889.99	1854.31	514.49	67.76	34862.49	1339.81	67.76	90787.05	125649.55	97759.55	
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including	Sqm	463.79	390.51	181114.53	463.79	390.51	181114.53	869.59	579.74	390.51	226393.16	289.85	390.51	113187.93	339581.09	158466.56	
12	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete	Sqm	90.13	823.55	74228.57	90.13	823.55	74228.57	126.26	112.67	823.55	92785.71	13.60	823.55	11198.87	103984.58	29756.01	

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			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
17	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in Ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specificationsand	Cum	68.52	6593.89	451783.06	68.52	6593.89	451783.06	136.16	85.64	6593.89	564728.82	50.52	6593.89	333116.32	897845.15	446062.09	
18	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in First Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specificationsand	Cum	39.11	6659.33	260479.17	39.11	6659.33	260479.17	130.49	48.89	6659.33	325598.96	81.60	6659.33	543390.64	868989.61	608510.44	
19	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and	Cum	39.22	6724.78	263727.61	39.22	6724.78	263727.61	95.35	49.02	6724.78	329659.51	46.33	6724.78	311549.22	641208.74	377481.13	

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Sl. No.	Description of Item	Unit							actuals							per actuals		Rate
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
20	: Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and	Cum	42.80	6790.23	290646.97	42.80	6790.23	290646.97	120.46	53.50	6790.23	363308.71	66.95	6790.23	454623.72	817932.43	527285.46	
24	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.and directions of the Engineer in charge. (First Floor)	Sqm	21.96	546.49	12000.94	21.96	546.49	12000.94	65.22	27.45	546.49	15001.17	37.77	546.49	20640.96	35642.13	23641.19	
25	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.and directions of the Engineer in charge. (Second Floor)	Sqm	23.22	551.94	12816.16	23.22	551.94	12816.16	35.28	29.03	551.94	16020.20	6.26	551.94	3452.41	19472.61	6656.45	
29	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(First Floor)	Tonne	18.48	78225.6	1445728.0	18.48	78225.63	1445727.98	23.31	23.10	78225.63	1807159.98	0.21	78225.63	16076.87	1823236.85	377508.87	

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No.																		
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
30	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(Second Floor) Qty Upto 125%	Tonne	13.88	79041.5	1096844.8	13.88	79041.55	1096844.76	23.29	17.35	79041.55	1371055.95	5.94	79041.55	469635.20	1840691.15	743846.39	
31	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.and directions of the Engineer in charge.(Third Floor)	Tonne	15.40	79857.5	1229498.6	15.40	79857.47	1229498.55	21.48	19.25	79857.47	1536873.19	2.23	79857.47	178475.15	1715348.35	485849.79	
40	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications..and directions of the Engineer in charge.(Second Floor)	Sqm	83.87	961.0	80595.3	83.87	960.99	80595.27	115.36	104.83	960.99	100744.09	10.53	960.99	10116.27	110860.36	30265.09	
48	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Qty upto 125%)	Sqm	419.81	222.5	93416.4	419.81	222.52	93416.35	1641.11	524.76	222.52	116770.44	1116.35	222.52	248413.83	365184.27	271767.92	
49	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specificationsand directions of the Engineer in charge. (First Floor)	Sqm	342.75	229.1	78513.1	342.75	229.07	78513.06	1099.73	428.44	229.07	98141.32	671.29	229.07	153771.93	251913.25	173400.19	
50	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.(second Floor)	Sqm	327.66	235.6	77200.9	327.66	235.61	77200.89	1036.14	409.58	235.61	96501.11	626.56	235.61	147625.74	244126.86	166925.97	

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1	2	3	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount					
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
51	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Third Floor)	Sqm	750.57	242.2	181756.4	750.57	242.16	181756.35	1605.88	938.21	242.16	227195.44	667.66	242.16	161679.40	389874.84	207138.96		
53	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering. : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge	Sqm	376.65	245.4	92441.2	376.65	245.43	92441.21	721.03	470.81	245.43	115551.51	250.21	245.43	61409.65	176961.17	84519.96		
54	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering. : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge.(First Floor)	Sqm	321.36	252.0	80973.9	321.36	251.97	80973.87	532.72	401.70	251.97	101217.33	131.02	251.97	33014.12	134231.45	53257.56		
55	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering. : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specificationsand directions of the Engineer in charge.(Second Floor)	Sqm	332.04	258.5	85837.8	332.04	258.52	85837.81	477.54	415.05	258.52	107297.27	62.49	258.52	16156.18	123453.45	37615.64		
84	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. and directions of the Engineer in charge.	Sqm	116.98	1780.2	208246.1	116.98	1780.19	208246.11	178.20	146.23	1780.19	260307.64	31.98	1780.19	56921.43	317229.07	108982.96		
86	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 600x 600x 10 mm thick fixed on existing flooring withspecial adhesive for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc complete as per specification and directions of the Engineer in charge	Sqm	26.13	1129.0	29500.2	26.13	1128.98	29500.20	51.61	32.66	1128.98	36875.24	18.95	1128.98	21391.31	58266.55	28766.36		

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No.	Description of Item	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
									Actuals									per schedule		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
114	Providing and fixing M.S Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. . (First Floor)	Sqm	49.67	5863.1	291194.2	49.67	5863.05	291194.24	338.81	62.08	5863.05	363992.80	276.73	5863.05	1622467.17	1996459.97	1695265.73			
115	Providing and fixing M.S Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and directions of the Engineer in charge. . (Second Floor)	Sqm	53.82	5869.6	315925.1	53.82	5869.59	315925.07	134.53	67.28	5869.59	394906.34	67.25	5869.59	394730.25	789636.59	473711.52			
137	Providing and laying heavy duty cobble stones 60mm thick interlock pavers,using cement and course sand for manufacturer of blocks of approved size,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed(average Thinkness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to comeup in between joints , final compaction of pavers surfaces joint into its final level including cost of materials,labour and HOM complete as per specifications and directions of the Engineer in charge	Sqm	893.60	1148.6	1026400.0	893.60	1148.61	1026400.04	1356.43	1117.0	1148.61	1283000.05	239.43	1148.61	275006.52	1558006.57	531606.53			
140	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer incharge.	Nos	38.40	445.0	17089.8	38.40	445.05	17089.78	809.11	48.0	445.05	21362.23	761.11	445.05	338729.76	360091.99	343002.21			

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			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
148	Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the Engineer in charge.	Unit	4.00	8806.0	35224.1	4.00	8806.03	35224.11	12.00	5.0	8806.03	44030.14	7.00	8806.03	61642.20	105672.34	70448.23	
160	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.and directions of the Engineer in charge.	Each	4.00	366.5	1466.0	4.00	366.51	1466.04	6.00	5.0	366.51	1832.54	1.00	366.51	366.51	2199.05	733.02	
165	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary complete as per specifications.and directions of the Engineer in charge.	m	608.87	83.8	51041.4	608.87	83.83	51041.40	3486.70	761.1	83.83	63801.76	2725.62	83.83	228488.31	292290.06	241248.66	
166	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. complete as per specifications.and directions of the Engineer in charge.	m	73.80	92.9	6857.5	73.80	92.92	6857.50	801.00	92.3	92.92	8571.87	708.75	92.92	65857.05	74428.92	67571.42	
173	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring complete as per specifications and directions of the Engineer in charge.	Each	5.00	172.7	863.6	5.00	172.71	863.55	9.00	6.3	172.71	1079.44	2.75	172.71	474.95	1554.39	690.84	
176	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 2.5sqmm complete as per specifications.and directions of the Engineer in charge.	Mtr	2180.76	32.32	70482.1	2180.76	32.32	70482.10	4475.50	2725.9	32.32	88102.62	1749.55	32.32	56545.54	144648.16	74166.06	

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Sl. No.	Description of Item	Unit	Sanctioned Estimate			As per Tender (SOQ)			as per actuals	Upto date								
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
218	Providing and constructing percast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, jamb closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications and directions of the Engineer in charge (Head room)	Sqm	39.38	1109.34	43680.4	39.38	1109.34	43680.40	137.91	49.2	1109.34	54600.51	88.69	1109.34	98392.40	152992.90	109312.50	
242	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge (head room)	Sqm	83.43	54.54	4550.3	83.43	54.54	4550.27	1047.52	104.3	54.54	5687.84	943.23	54.54	51443.91	57131.76	52581.48	
	TOTAL				9207740.7			9207740.7				11509675.92			7312181.53	18821857.44	96,14,116.71	

Percentage of excess comparing to the sanctioned Estimated cost = $\frac{9614116.71}{66638535.00}$ x 100 = 14.43 %

DSR INFRATECH
For
Date
PMC
BENGALURU

Contractor

Assistant Engineer
Project Division

Assistant Executive Engineer
Project Division

Executive Engineer
Project Division

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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